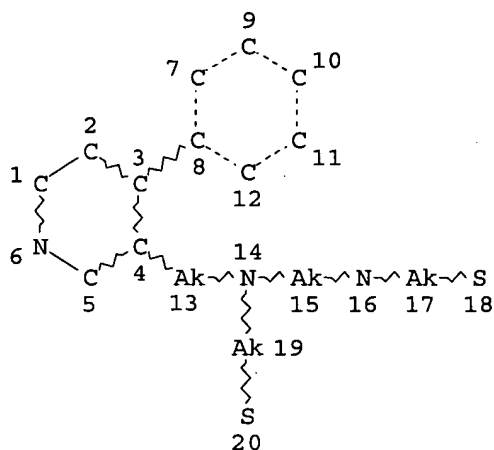


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 L1 HAS NO ANSWERS
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NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC 3
 NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

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SINCE FILE ENTRY	TOTAL SESSION
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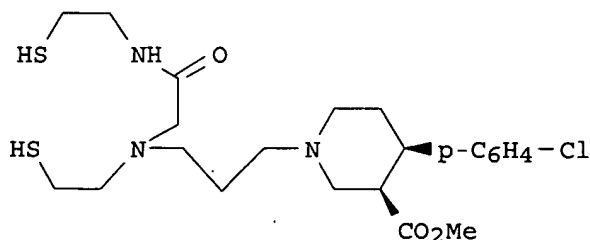
=> s l3

L4 2 L3

=> d bib abs hitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:635937 CAPLUS
DN 135:204451
TI Imaging agents for diagnosis of Parkinson's disease
IN Babich, John W.; Smith, Miles P.
PA Biostream, Inc., USA
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001062301	A2	20010830	WO 2001-US5518	20010222
	WO 2001062301	A3	20020829		
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	CA 2400856	AA	20010830	CA 2001-2400856	20010222
	US 2001044543	A1	20011122	US 2001-790320	20010222
	US 6515131	B2	20030204		
	EP 1265641	A2	20021218	EP 2001-912877	20010222
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	JP 2003523408	T2	20030805	JP 2001-561364	20010222
	US 2003208078	A1	20031106	US 2003-352764	20030128
	US 6677454	B2	20040113		
	US 2005026955	A1	20050203	US 2004-756793	20040113
PRAI	US 2000-183996P	P	20000222		
	US 2001-790320	A3	20010222		
	WO 2001-US5518	W	20010222		
	US 2003-352764	A3	20030128		
OS	MARPAT 135:204451				
GI					



I

AB Generally, the present invention is directed to central nervous system dopamine transporter-imaging agents and methods of use thereof. In

certain embodiments, the present invention relates to radiolabeled piperidine derivs. for use as imaging agents in the diagnosis of Parkinson's disease. Another aspect of the present invention relates to piperidine monoamine transporter ligands, comprising a functional group capable of chelating a radionuclide, e.g., Tc, and methods of use thereof. For example, the ligand I was prepared in a multistep process by demethylation Me (+)-4-(4'-chlorophenyl)-1-piperidine-3-carboxylate, followed by reaction with 1-bromo-3-chloropropane and subsequent reaction with N-[(tritylthio)ethyl]acetamidyl-N-(tritylthio)ethylamine to give the trityl protected I which was deprotected. The ^{99m}TcO complex of I was prepared to be used as an imaging agent for the diagnosis of Parkinson's disease.

IT 357264-95-0P

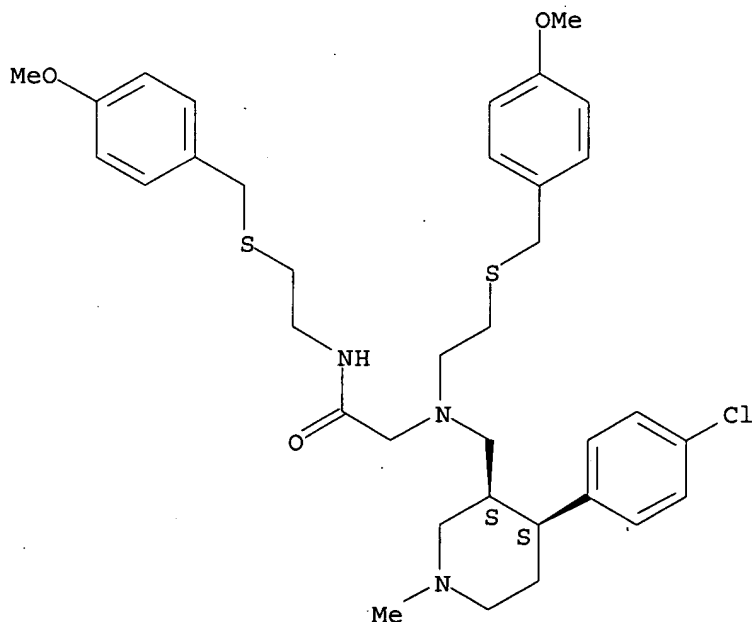
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of piperidinylpropylaminomethylcarbonylaminoethylthiol derivs. as imaging agent for diagnosis of Parkinson's disease)

RN 357264-95-0 CAPLUS

CN Acetamide, 2-[[[(3S,4S)-4-(4-chlorophenyl)-1-methyl-3-piperidinyl]methyl][2-[[[(4-methoxyphenyl)methyl]thio]ethyl]amino]-N-[2-[[[(4-methoxyphenyl)methyl]thio]ethyl]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:769082 CAPLUS

DN 132:119356

TI Synthesis and biological evaluation of two novel DAT-binding technetium complexes containing a piperidine based analogue of cocaine

AU Hoepping, Alexander; Babich, John; Zubieta, Jon A.; Johnson, Kenneth M.; Machill, Susanne; Kozikowski, Alan P.

CS Drug Discovery Program, Georgetown University Medical Center, Washington, DC, 20007-2197, USA

SO Bioorganic & Medicinal Chemistry Letters (1999), 9(22), 3211-3216

CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.

DT Journal

LA English

AB Two new technetium complexes containing a piperidine template have been synthesized and evaluated as possible leads for the development of

dopamine transporter (DAT) imaging agents. Binding data for the corresponding rhenium complexes containing either a monoaminomonoamide (MAMA') or a diaminodithiol (DADT) chelating unit exhibited significant affinity for the DAT. Initial biodistribution studies in rats revealed only a low brain uptake.

IT 256375-14-1P 256375-15-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

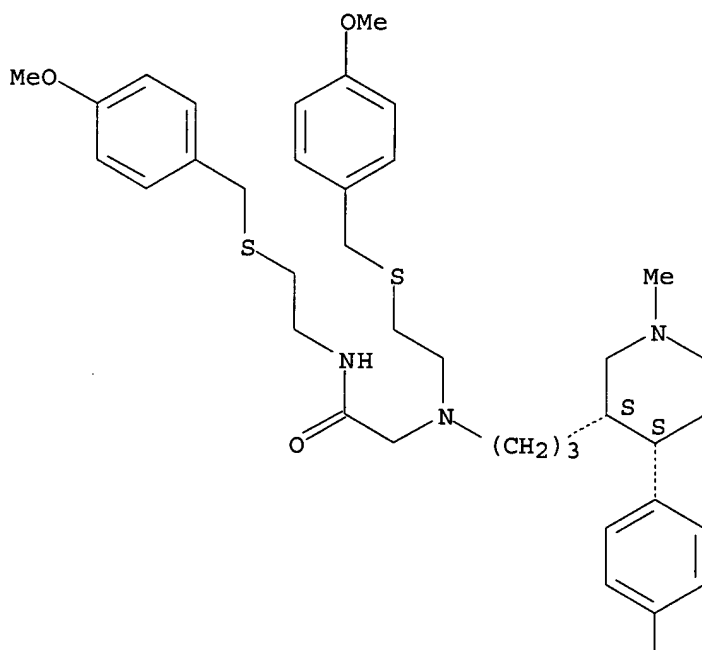
(synthesis and biol. evaluation of dopamine transporter-binding technetium complexes)

RN 256375-14-1 CAPLUS

CN Acetamide, 2-[[3-[(3S,4S)-4-(4-chlorophenyl)-1-methyl-3-piperidinyl]propyl][2-[[4-methoxyphenyl)methyl]thio]ethyl]amino]-N-[2-[[4-methoxyphenyl)methyl]thio]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



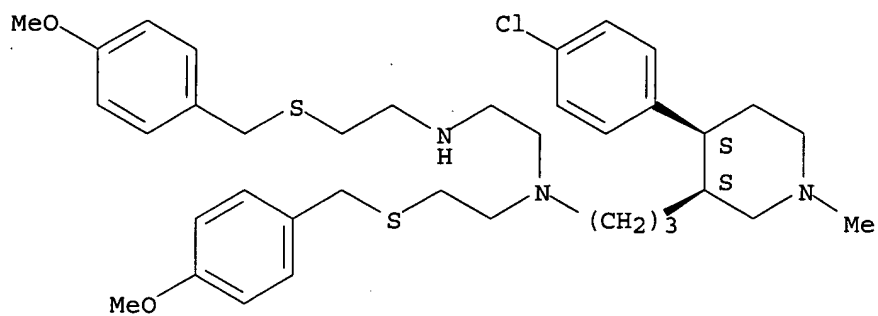
PAGE 2-A

Cl

RN 256375-15-2 CAPLUS

CN 1,2-Ethanediamine, N-[3-[(3S,4S)-4-(4-chlorophenyl)-1-methyl-3-piperidinyl]propyl]-N,N'-bis[2-[[4-methoxyphenyl)methyl]thio]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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